



STIC Search Report

EIC 3600

STIC Database Tracking Number: 116934

TO: Fred Lagman
Location: Pk. 5, 2T06
Art Unit: 3673
Tuesday, March 16, 2004

Case Serial Number: 10/056494

From: Caryn Wesner-Early
Location: EIC 3600
PK5-Suite 804
Phone: 306-5967

caryn.wesner@uspto.gov

Search Notes

If a modification or re-focus of this search is needed, please let me know.

A handwritten signature in cursive script that reads "Caryn S. Wesner-Early".

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov



STIC EIC 600

Search Request Form

116934

14

Today's Date: 3/12/02

Priority Date: 1/28/02

Your Name: LizFormat for Search Results:
 PAPER DISK EMAILAU: 3123Examiner #: 712477Room #: 7124Phone: 357452Serial #: 101150454

Where have you searched?

William O. Craver

Please attach citations of relevant art you have found.

What is the focus of this search?

Please include concepts, synonyms, keywords, definitions, strategies, in short anything that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

~~I~~ looking for a pipeline that is located (buried) in the middle of a right-of-way of an interstate highway. The pipeline was to be for transportation of oil, ethanol gas, fiber optics, electricity. The pipeline needs to ~~span~~ the majority of 41% length of the highway.

405/184.4	405/154.1	405/184	(379)
e03f-003?	b63b-035?	e02f-005?	(455)
f162-001?			Qwest (137)
" - 003?			(466)

STIC Searcher
Date picked upEl Veron - Early
3/15/04Phone: 306-5967
Date completed:

AltaVista Search: (pipeline* OR fiberoptic* OR "fiber optic*") AND ((buried OR under*) NEAR (median* OR "right+of+way") AND highway*) & aq=0&kgs=0&cls=0

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: %28buried+OR+under%29+NEAR+%28median*+OR+%22right+of+way%22%29%29+AND+highway*&aq=0&kgs=0&cls=0

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altavista Web Images MP3/Audio Video Directory News Family Filter: off

Advanced Web Search

Search with...:

this boolean expression: **(pipeline* OR fiberoptic* OR "fiber optic*") AND ((buried OR under*) NEAR (median* OR "right+of+way")) AND highway***

sorted by

FIND Basic Search

Use terms such as AND, OR, AND NOT, NEAR

Pages with these words will be ranked highest.

SEARCH: Worldwide U.S. RESULTS IN: All languages English, Spanish

AltaVista found 681 results [About](#)

Utility Relocation and Accommodation on Federal-Aid Highway Projects-Chapter 2
(section 2 of 2)

Document Done

The screenshot shows the AltaVista search interface. At the top, there's a navigation bar with links for Web, Images, MP3/Audio, Video, Directory, and News. A "Family Filter: off" option is also present. Below the navigation bar, there's a search form with fields for "Search with..." (containing "this boolean expression"), "sorted by" (with a dropdown menu), and "FIND" and "Basic Search" buttons. To the right of the search form, there's a note about using terms like AND, OR, and NOT, NEAR. At the bottom of the search form, there are options for "SEARCH: Worldwide" and "RESULTS IN: All languages" (with English, Spanish as sub-options).

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[Utility Relocation and Accommodation on Federal-Aid Highway Projects-Chapter 2](#)

(section 2 of 2)

... between **buried fiber optics** cables and other ... freeway **right-of-way** for
fiber optics under appropriate ... installed on highway **right-of-way**.

However, it is important to **understand** that ...

www.fhwa.dot.gov/reports/utilguid/util2a.htm

Bechtel Briefs - October 1999

File type: PDF - [Download PDF Reader](#)

... while a remotely piloted **underwater** plow buried cable a meter deep in ...
Trans-Thailand-Malaysia **pipelines** and other facilities ... tunnel sections
under the **right-of-way** even as trains cross ...

www.bechtel.com/PDF/1099brfs.pdf

Volpe Center: US DOT SBIR 2003 Program Solicitation

Official web site of the United States Department of Transportation's Small
Business Innovation Research Program ... pig. For **buried pipelines**, a
transient-thermal ... of **right of way** alignments. The combination ...

www.volpe.dot.gov/sbir/sol03/sec8full.html

Statement of Need: Utility Locating Technologies

... gas, cable TV, **fiber optics**, traffic signals, street lighting ... major oil and
gas **pipelines**, national defense communication ... must be applicable in
urban **right-of-way** settings as well as ...

www.nalusda.gov/ttic/utilfnl.htm • [Related Pages](#)

Chapter Thirteen

... 13: Engineering and Right of Way Significant Events Division of ... was
initiated and is **underway**. A program to inspect and reanalyze ... revegetation
work over the **buried** pipeline was awarded in ...

wwwswpao.water.ca.gov/publications/bulle...text/cha13.html



Mobile Rate: B

Searched for <http://www.fhwa.dot.gov/reports/utilguid>

9 Results

* denotes when site was updated.

Search Results for Jan 01, 1996 - Mar 16, 2004

1996	1997	1998	1999	2000	2001	2002	2003	2004
0 pages	0 pages	0 pages	0 pages	1 pages	2 pages	3 pages	3 pages	0 pages
				<u>Aug 31, 2000</u> *	<u>Nov 01, 2001</u>	<u>Sep 20, 2002</u>	<u>Jan 06, 2003</u>	

Dec 22, 2001

Nov 15, 2002

Feb 18, 2003

Nov 18, 2002

Jul 28, 2003

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?show files;ds
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File 349:PCT FULLTEXT 1979-2002/UB=20040311,UT=20040304
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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
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File 323:RAPRA Rubber & Plastics 1972-2004/Mar
 (c) 2004 RAPRA Technology Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Mar W1
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
File 87:TULSA (Petroleum Abs) 1965-2004/Mar W2
 (c) 2004 The University of Tulsa
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
 (c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
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 (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 15

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 File 610:Business Wire 1999-2004/Mar 15
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 (c) 2004 ProQuest
 File 141:Readers Guide 1983-2004/Feb
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Set	Items	Description
S1	137	AU='CRAMER W'
S2	10	AU='CRAMER W P'
S3	3	AU='CRAMER W.P.'
S4	2	AU='CRAMER WP'
S5	0	AU='CRAMER WILLIAM'
S6	9	AU='CRAMER, W'
S7	111	AU='CRAMER, W.'
S8	6	AU='CRAMER, W. P.'
S9	7	AU='CRAMER, W.P.'
S10	3	AU='CRAMER, WILL'
S11	2	AU='CRAMER, WILLIAM'
S12	1	AU='CRAMER, WILLIAM 3RD, 1951-'
S13	4	AU='CRAMER, WILLIAM, JR., 1961-':AU='CRAMER, WILLIAM, 1949-
S14	2	AU='CRAMER, WP'
S15	271	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 - OR S11 OR S12 OR S13 OR S14
S16	39	S15 FROM 347,348,349,350,371
S17	62027	IC=(E03F-003? OR F16L-001? OR F16L-003? OR B63B-035? OR E0- 2F-005?)
S18	1	S16 AND S17
S19	11856526	PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S20	8.	S16 AND S19
S21	8	S18 OR S20
S22	8	IDPAT (sorted in duplicate/non-duplicate order)
S23	8	IDPAT (primary/non-duplicate records only)
S24	232	S15 NOT S16

S25
S26

3 S19 AND 4
11 S23 OR

26/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015648274 **Image available**

WPI Acc No: 2003-710457/200367

XRPX Acc No: N03-568039

Intercontinental power grid distribution for locating various products *supply* *lines*, including fiber optics and electricity, involves placing product *supply* *lines* below ground surface of interstate highway median and adjacent areas

Patent Assignee: CRAMER W P (CRAM-I)

Inventor: *CRAMER W P*

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030143033	A1	20030731	US 200256494	A	20020128	200367 B

Priority Applications (No Type Date): US 200256494 A 20020128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030143033	A1	6	E03F-003/06		

Intercontinental power grid distribution for locating various products *supply* *lines*, including fiber optics and electricity, involves placing product *supply* *lines* below ground surface of interstate highway median and adjacent areas

Inventor: *CRAMER W P*

Abstract (Basic):

... An intercontinental power grid distribution system is provided by placing energy product *supply* *lines* below the ground surface of the median of an interstate highway and the right-of-ways immediately adjacent the interstate highway. Each *supply* *line* is connected to a source of an energy product and to an outlet line such...

... Providing an intercontinental power grid distribution system (10) comprises placing energy product *supply* *lines* below the ground surface of the median of an interstate highway (11) and the right-of-ways immediately adjacent the interstate highway. The energy product *supply* *lines* supply energy products such as petroleum, gas, gasoline, fiber optics or electricity. Each *supply* *line* is connected to a source of an energy product. Each *supply* *line* is connected to an outlet line extending at an angle below the round such as...

Technology Focus:

... Preferred Process: When the energy product is petroleum, pumping stations for each petroleum *supply* *line* are provided, and each petroleum *supply* *line* is interconnected to a pumping station (18) to maintain the pressure in the petroleum *supply* *line*.

International Patent Class (Main): *E03F-003/06*

International Patent Class (Additional): *F16L-001/06*

26/3,K/9 (Item 1 from file: 87)

DIALOG(R)File 87:TULSA (Petroleum Abs)

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00445977 PETROLEUM ABSTRACTS NO.: 191395

PIPELINE CONSISTING OF A METALLIC *PIPE* EQUIPPED WITH A THERMAL INSULATION LAYER AND INTENDED FOR THE TRANSMISSION OF LIQUID OR GASEOUS FLUIDS

AUTHOR (INVENTOR): ASSELBORN P; *CRAMER W*

PATENT INFORMATION: FR 2175753, C 10/26/73, F 2/16/73, PR GER 3/13/72;

FELTEN & GUILL KABEL AG (IN FRENCH)

PATENT (NO, DATE): FR 2175753 19731026

APPLICATION (NO. DATE 19730216
PUBLICATION YEAR: 1973
LANGUAGE: FRENCH

PIPELINE CONSISTING OF A METALLIC *PIPE* EQUIPPED WITH A THERMAL INSULATION LAYER AND INTENDED FOR THE TRANSMISSION OF LIQUID OR GASEOUS...

...AUTHOR (INVENTOR): *CRAMER W*

PRIMARY DESCRIPTOR: *PIPELINE* DESIGN

...MINOR DESCRIPTORS: *PIPE*; ...

...*PIPELINE*; ...

...*PIPELINE* CONSTRUCTION

26/AA,AN,AZ,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015648274
WPI Acc No: 2003-710457/

Intercontinental power grid distribution for locating various products *supply* *lines*, including fiber optics and electricity, involves placing product *supply* *lines* below ground surface of interstate highway median and adjacent areas
Local Applications (No Type Date): US 200256494 A 20020128
Priority Applications (No Type Date): US 200256494 A 20020128

26/AA,AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

010012983
WPI Acc No: 1994-280694/

Control unit for gas burner of cooking panel with glass ceramic cooking surface - has hand operated adjusting element for gas supply valve and igniter unit with glow igniter and thermometer probe in form of thermocouple

Local Applications (No Type Date): DE 4307073 A 19930306; DE 4307073 A 19930306

Priority Applications (No Type Date): DE 4307073 A 19930306

26/AA,AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009813309
WPI Acc No: 1994-093165/

Automatic firing device for gas central heating boiler - has microprocessor control of igniter and gas supply control valve for burner
Local Applications (No Type Date): DE 4230390 A 19920911
Priority Applications (No Type Date): DE 4230390 A 19920911

26/AA,AN,AZ,TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009149789
WPI Acc No: 1992-277227/

Cooking and boiling ring with open flame gas burner - has anti-popping ignition device housed in chamber in distribution cup
Local Applications (No Type Date): DE 4103049 A 19910201; DE 4103049 A 19910201
Priority Applications (No Type Date): DE 4103049 A 19910201

26/AA,AN,AZ,TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

008323849
WPI Acc No: 1990-210850/

Cooker with one or more hobs - is covered by ceramic sheet and has fan-assisted waste heat control
Local Applications (No Type Date): DE 3844081 A 19881228; GB 8928689 A 19891220; US 89441902 A 19891128; ES 893811 A 19891110; GB 8928689 A 19891220; DE 3844081 A 19881228; IT 8922367 A 19891113
Priority Applications (No Type Date): DE 3844081 A 19881228

26/AA,AN,AZ,TI/6 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

008006303

WPI Acc No: 1989-271415/

.Starter battery for vehicle - has multiple pole connector incorporated into battery casing, linked directly internally to battery terminals
Local Applications (No Type Date): DE 3821861 A 19880629; EP 89710046 A 19890520; EP 89710046 A 19890520; DE 509286 A 19890520; EP 89710046 A 19890520; EP 89710046 A 19890520
Priority Applications (No Type Date): DE 3821861 A 19880629

26/AA,AN,AZ,TI/7 (Item 7 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

004437907

WPI Acc No: 1985-264785/

Electrical lead accumulator cell - has pole fitted through opening in accumulator housing provided with opposing flanges joined via opening
Local Applications (No Type Date): EP 84104109 A 19840412
Priority Applications (No Type Date): EP 84104109 A 19840412

26/AA,AN,AZ,TI/8 (Item 8 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

004308569

WPI Acc No: 1985-135447/

Positioning separators between vertical stone slabs - machine cuts lengths plastic tubing bends end and drops on slab
Local Applications (No Type Date): DE 3328549 A 19830808; DE 3328459 A 19830808
Priority Applications (No Type Date): DE 3328549 A 19830808; DE 3328459 A 19830808

26/AA,AN,AZ,TI/9 (Item 1 from file: 87)

DIALOG(R)File 87:(c) 2004 The University of Tulsa. All rts. reserv.

00445977 PETROLEUM ABSTRACTS NO.: 191395

PIPELINE CONSISTING OF A METALLIC *PIPE* EQUIPPED WITH A THERMAL INSULATION LAYER AND INTENDED FOR THE TRANSMISSION OF LIQUID OR GASEOUS FLUIDS

APPLICATION (NO, DATE): 19730216

26/AA,AN,AZ,TI/10 (Item 1 from file: 148)

DIALOG(R)File 148:(c) 2004 The Gale Group. All rts. reserv.

05867415 SUPPLIER NUMBER: 12228699

Accelerate RF mixer measurements. (combining spectrum analyzer and tracking source) (Test & Measurement special section) (Tutorial)

26/AA,AN,AZ,TI/11 (Item 1 from file: 275)

DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01516053 SUPPLIER NUMBER: 12228699

Accelerate RF mixer measurements. (combining spectrum analyzer and tracking source) (Test & Measurement special section) (Tutorial)

?show files;ds
File 347:JAPIO Nov 1976-03/Nov(Updated 040308)
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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
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File 371:French Patents 1961-2002/BOPI 200209
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Set	Items	Description
S1	2009520	PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S2	5355600	UTILIT??? OR PETROL??? OR OIL OR GASOLINE OR GAS OR NATURALGAS OR TELEPHONE OR TELECOM? OR TELE()PHONE OR COMMUNICATION? ?) OR FIB??OPTIC? ? OR (FIBER OR FIBRE)(N)OPTIC?? OR ELECTRIC??? OR POWER OR ENERGY OR FUEL
S3	3255892	BURY??? OR BURIE? ? OR LOCATED OR ADJACENT OR NEXT()TO OR -SIDE(2W)SIDE OR CONTIGUOUS OR END(2W)END OR ABUT? ? OR ABUTTING OR ADJOIN??? OR UNDER? OR BENEATH OR SUBTERRANEAN OR BELOW OR SUBSURFACE OR INTER OR INTERR???
S4	112614	MEDIAN? ? OR RIGHT(2W)WAY OR (EMERGENCY OR MEDIAL) ()(LANE -OR LANES OR STRIP OR STRIPS) OR SHOULDER? ? OR BORDER? ? OR EASEMENT? ?
S5	138140	HIGHWAY? ? OR INTERSTATE? ? OR FREEWAY? ? OR ROAD? OR TURNPIKE? ? OR MOTORWAY? ? OR (HIGH OR FREE OR MOTOR OR THRU)()WAY? ? OR EXPRESSWAY? ? OR SUPERHIGHWAY? ? OR THOROUGHFARE? ? OR THRUWAY? ? OR THROUGHWAY? ? OR PIKE? ? OR TOLLROAD? ?
S6	446467	S1(7N)S2
S7	60	S3(10N) (S4(5N)S5)
S8	2	S6(S)S7
S9	189	S3(S) (S4(10N)S5)
S10	4	S6 AND S9
S11	486857	S1(10N)S2
S12	4	S9 AND S11
S13	11	S11 AND (S3 AND (S4(S)S5))
S14	11	IDPAT (sorted in duplicate/non-duplicate order)
S15	11	IDPAT (primary/non-duplicate records only)

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015648274 **Image available**

WPI Acc No: 2003-710457/200367

XRPX Acc No: N03-568039

Intercontinental *power* grid distribution for locating various products *supply* *lines*, including *fiber* *optics* and *electricity*, involves placing product *supply* *lines* *below* ground surface of *interstate* *highway* *median* and *adjacent* areas

Patent Assignee: CRAMER W.P. (CRAM-I)

Inventor: CRAMER W P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030143033	A1	20030731	US 200256494	A	20020128	200367 B

Priority Applications (No Type Date): US 200256494 A 20020128

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030143033	A1	6	E03F-003/06	

Intercontinental *power* grid distribution for locating various products *supply* *lines*, including *fiber* *optics* and *electricity*, involves placing product *supply* *lines* *below* ground surface of *interstate* *highway* *median* and *adjacent* areas

Abstract (Basic):

... An intercontinental *power* grid distribution system is provided by placing *energy* product *supply* *lines* *below* the ground surface of the *median* of an *interstate* *highway* and the right-of-ways immediately *adjacent* the *interstate* *highway*. Each *supply* *line* is connected to a source of an *energy* product and to an outlet line such as supplying distributors and end users with energy...

... Providing an intercontinental *power* grid distribution system (10) comprises placing *energy* product *supply* *lines* *below* the ground surface of the *median* of an *interstate* *highway* (11) and the right-of-ways immediately *adjacent* the *interstate* *highway*. The *energy* product *supply* *lines* supply *energy* products such as *petroleum*, *gas*, *gasoline*, *fiber* *optics* or *electricity*. Each *supply* *line* is connected to a source of an *energy* product. Each *supply* *line* is connected to an outlet line extending at an angle *below* the round such as for supplying distributors and end users with energy product...

Technology Focus:

... Preferred Process: When the *energy* product is *petroleum*, pumping stations for each *petroleum* *supply* *line* are provided, and each *petroleum* *supply* *line* is interconnected to a pumping station (18) to maintain the pressure in the *petroleum* *supply* *line*.

... Title Terms: *BELOW*;

15/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012904354 **Image available**

WPI Acc No: 2000-076190/200007

XRPX Acc No: N00-059469

Median duct for use in *road* - has base closed on top with cover of ornamental arching parts such that arching parts match with grooves provided in box

Patent Assignee: NARUKKUSU KK (NARU-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:
Patent No Kind Date Applicat No Kind Date Week
JP 11323844 A 19991126 JP 98146605 A 19980511 200007 B

Priority Applications (No Type Date): JP 98146605 A 19980511

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 11323844 A 14 E01F-001/00

Median duct for use in *road* -

...Abstract (Basic): USE - Is capable of accommodating *telecommunicating* *cables*, drainage *pipe*, *wires* and is used for laying in road...
...ADVANTAGE - Faults can be *located* easily and repaired. Because of arched cover, dust does not get collected, rain water washes...

Title Terms: *MEDIAN*;

15/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009925821 **Image available**

WPI Acc No: 1994-193532/199424

XRPX Acc No: N94-152348

Tunnel construction method for *beneath* road or rail embankment - involves driving hollow structures through embankment simultaneously from each side, together with upper tubes or bars to form lintel

Patent Assignee: BEAUCHIER J M (BEAU-I); BEAUCHIER J (BEAU-I)

Inventor: BEAUCHIER J M; BEAUCHIER J

Number of Countries: 011 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 603024	A1	19940622	EP 93402915	A	19931201	199424
FR 2699594	A1	19940624	FR 9215250	A	19921217	199428
EP 603024	B1	19970212	EP 93402915	A	19931201	199712
DE 69308114	E	19970327	DE 608114	A	19931201	199718
			EP 93402915	A	19931201	

Priority Applications (No Type Date): FR 9215250 A 19921217

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 603024 A1 F 9 E21D-009/00

Designated States (Regional): BE CH DE ES FR GB IT LI LU NL PT

EP 603024 B1 F 11 E21D-009/00

Designated States (Regional): BE CH DE ES FR GB IT LI LU NL PT

DE 69308114 E E21D-009/00 Based on patent EP 603024

FR 2699594 A1 E21D-009/08

Tunnel construction method for *beneath* road or rail embankment...

...Abstract (Basic): of driving two hollow structures (11) through the embankment (4) from either side, using traction *cables* (14, 15) and *power* cylinders (16, 17). Above the structures tubes (23) or rigid metal bars are driven progressively...

...Abstract (Equivalent): Process for the construction of transversal passages (6) *under* rail or *roadways* (1) supported on an embankment (5) by means of two hollow frames (11, 12) positioned...

...tubes (23) or rigid metal sections constituting a horizontal arch (9) forming a support beam *under* the *road* or railway simultaneously with the bringing together of the two frames, so that the tubes...

...being brought together up to the point where they come into contact approximately in the *median* plane (35) of the embankment, the tubes

or sections being arranged so that they can...
...Title Terms: *BENEATH

15/AN,AZ, TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015989169

Composition for fluororesin coating materials, contains preset amount of fluororesin having fluorine and low contamination agent which contains different polymer units

Local Applications (No Type Date): JP 2001332816 A 20011030

Priority Applications (No Type Date): JP 2001332816 A 20011030

15/AN,AZ, TI/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015648274

Intercontinental *power* grid distribution for locating various products *supply* *lines*, including *fiber* *optics* and *electricity*, involves placing product *supply* *lines* *below* ground surface of *interstate* *highway* *median* and *adjacent* areas

Local Applications (No Type Date): US 200256494 A 20020128

Priority Applications (No Type Date): US 200256494 A 20020128

15/AN,AZ, TI/3 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

014592141

Unmanned visual monitoring system for highways, railroad crossings, has propeller and brake to propel and stop movement of carriage which is guided through elevated track cables supported on superstructure

Local Applications (No Type Date): US 99324716 A 19990603

Priority Applications (No Type Date): US 99324716 A 19990603

15/AN,AZ, TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

012904354

Median duct for use in *road* - has base closed on top with cover of ornamental arching parts such that arching parts match with grooves provided in box

Local Applications (No Type Date): JP 98146605 A 19980511

Priority Applications (No Type Date): JP 98146605 A 19980511

15/AN,AZ, TI/5 (Item 5 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009925821

Tunnel construction method for *beneath* road or rail embankment - involves driving hollow structures through embankment simultaneously from each side, together with upper tubes or bars to form lintel

Local Applications (No Type Date): EP 93402915 A 19931201; FR 9215250 A 19921217; EP 93402915 A 19931201; DE 608114 A 19931201; EP 93402915 A 19931201

Priority Applications (No Type Date): FR 9215250 A 19921217

15/AN,AZ, TI/6 (Item 6 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

001716471

Miniature *underground* railway track - is formed of Usection reinforced concrete beam covered by removable slabs

Priority Applications (No Type Date): BE 849705 A 19761222

15/AN,AZ, TI/7 (Item 7 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

07007463
GAS INTERRUPTING DEVICE

APPL. NO.: 2000-044773 [JP 200044773]

15/AN,AZ, TI/8 (Item 8 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

05196984
ROAD *SHOULDER* STONE TYPE SNOW COVER SENSOR AND SNOWMELT METHOD USING IT

APPL. NO.: 06-294135 [JP 94294135]

15/AN,AZ, TI/9 (Item 9 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

05158455
COVER FOR *SUBSURFACE* STRUCTURE

APPL. NO.: 06-249819 [JP 94249819]

15/AN,AZ, TI/10 (Item 10 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

03584903
ROAD HEATING METHOD BY CONSTRUCTION OF CASING

APPL. NO.: 02-045318 [JP 9045318]

15/AN,AZ, TI/11 (Item 11 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

03110501
ROAD *SHOULDER* INDICATOR AND INDICATING METHOD THEREFOR

APPL. NO.: 63-236931 [JP 88236931]

?show files;ds
File 105:AESIS 1851-2001.ul
(c) 2001 Australian Mineral Foundation Inc
File 35:Dissertation Abs Online 1861-2004/Feb
(c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Mar W2
(c) 2004 BLDSC all rts. reserv.
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(c) 2004 Elsevier Eng. Info. Inc.
File 103:Energy SciTec 1974-2004/Feb B2
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(c) 2004 Geosystems
File 292:GEOBASE(TM) 1980-2004/Mar
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(c) 2004 Japan Science and Tech Corp(JST)
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File 144:Pascal 1973-2004/Mar W1
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File 323:RAPRA Rubber & Plastics 1972-2004/Mar
(c) 2004 RAPRA Technology Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Mar W1
(c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 87:TULSA (Petroleum Abs) 1965-2004/Mar W2
(c) 2004 The University of Tulsa
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
(c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 2:INSPEC 1969-2004/Mar W1
(c) 2004 Institution of Electrical Engineers
File 25:Weldasearch 1966-2002/Sep
(c) 2004 TWI Ltd
File 111:TGG.Natl.Newspaper Index(SM) 1979-2004/Mar 15
(c) 2004 The Gale Group

Set	Items	Description
S1	1834406	PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S2	16536643	UTILIT??? OR PETROL??? OR OIL OR GASOLINE OR GAS OR NATURA-LGAS OR TELEPHONE OR TELECOM? OR TELE()PHONE OR COMMUNICATIO-N? ?) OR FIB??OPTIC? ? OR (FIBER OR FIBRE) (N)OPTIC?? OR ELECTRIC??? OR POWER OR ENERGY OR FUEL
S3	8637458	BURY??? OR BURIE? ? OR LOCATED OR ADJACENT OR NEXT()TO OR -SIDE(2W)SIDE OR CONTIGUOUS OR END(2W)END OR ABUT? ? OR ABUTTING OR ADJOIN??? OR UNDER? OR BENEATH OR SUBTERRANEAN OR BELOW OR SUBSURFACE OR INTER OR INTERR???
S4	452194	MEDIAN? ? OR RIGHT(2W)WAY OR (EMERGENCY OR MEDIAL)() (LANE -OR LANES OR STRIP OR STRIPS) OR SHOULDER? ? OR BORDER? ? OR EASEMENT? ?
S5	602118	HIGHWAY? ? OR INTERSTATE? ? OR FREEWAY? ? OR ROAD? OR TURN-PIKE? ? OR MOTORWAY? ? OR (HIGH OR FREE OR MOTOR OR THRU)()WA-Y? ? OR EXPRESSWAY? ? OR SUPERHIGHWAY? ? OR THOROUGHFARE? ? OR THRUWAY? ? OR THROUGHWAY? ? OR PIKE? ? OR TOLLROAD? ?
S6	365552	S1(7N)S2
S7	204	S3(10N) (S4(5N)S5)

S8 3 S6(S)S7
S9 393469 S1(10N)
S10 793 S3(S)(S4(10N)S5)
S11 11 S9(S)S10
S12 2186 QWEST
S13 0 S7 AND S12
S14 5 S4 AND S12
S15 5 S5 AND S12
~~S16 21 S11 OR S14 OR S15~~
S17 18 S16 NOT PY>2002
S18 17 S17 NOT PD=20020129:20040430
S19 17 RD (unique items)

19/3,K/1 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02030009 E.I. Monthly No: EI8610099343 E.I. Yearly No: EI86077342

Title: PLANS FOR FUTURE NATURAL GAS LINES SHOW LARGE INCREASE.

Author: Quarles, William R.

Corporate Source: Pipe Line Industry, Houston, TX, USA

Source: ipe Line Industry 0 v 65 n 2 Aug 1986 p 17-19

Publication Year: 1986

CODEN: PLINAH ISSN: 0032-0145

Language: ENGLISH

...Abstract: the Mid-west and Northeast markets continue to grow. The plans for future new natural *gas* transmission lines include Can-Am *gas* transmission system, ANR Eastern *Pipeline* Co, Northern *Border* *Pipeline* Co., Iroquois *Gas* Transmission System, Shell Canada Ltd, *interstate* *gas* transmission systems and interstate natural gas lines. A major construction project is also *underway* of carbon dioxide trunkline. Cross-country crude trunkline are currently being completed and these include...

19/3,K/4 (Item 3 from file: 103)

DIALOG(R)File 103:Energy SciTec

(c) 2004 Contains copyrighted material. All rts. reserv.

01725087 EDB-86-048761

Title: Nozay-Neuville line to transport gas for storage by Gaz de France

Author(s): Viaud, P.

Source: Pipeline Gas J. (United States) v 207. Coden: PLGJA

Publication Date: Oct 1980

p 46-50

Language: English

Abstract: Gaz de France has installed a 91-mile, 36-in. *gas* *pipeline* from Nozay to Neuville as part of a transmission feeder line to transport regasified Algerian LNG from Montoir to the Beynes *underground*-storage reservoir. All pipe for the line is API 5LX-65 grade, with wall thicknesses...

...375-0.681 in. and a hot-applied coal-tar-enamel/fiberglass-wrap coating. The *right*-of-*way* passes through forests, farmland, and swampy areas, crossing some 120 *roads* and railroads and 5 rivers. Construction engineers specified the use of (1) concrete sleeves laid in open cuts across minor roads, (2) casing pipe for crossings bored *under* railways or highways, and (3) concrete-weighted pipe for burial in riverbeds. The 24 welders...

19/3,K/5 (Item 4 from file: 103)

DIALOG(R)File 103:Energy SciTec

(c) 2004 Contains copyrighted material. All rts. reserv.

01514613 EDB-85-021375

Title: Common trenching reduces damage to buried utilities

Author(s): Alfieri, E.P.

Affiliation: Niagara Mohawk Power Co., Buffalo, NY

Source: Pipe Line Ind. (United States) v 57. Coden: PLINA

Publication Date: Sep 1982

p 29-30, 33

Language: English

Abstract: Since 1972 Niagara Mohawk Power Co. has established a *utility* corridor, installing 503 miles of *buried* *gas* mains and *electric*

cables in a common trench. Their guidelines for common trenching included: (1) the developer's responsibility for providing a subdivision map showing the location of each sidewalk, lot, and *roadway*, (2) an *easement* strip paralleling the front lot (street) line that is to be cleared and graded by...

19/3,K/10 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09183762
Qwest drops thrifty option
US : *QWEST* ABANDONS PHONE SERVICE
Denver Post Online (AUE) 29 Oct 1999 p.1
Language: ENGLISH

Qwest drops thrifty option
US : *QWEST* ABANDONS PHONE SERVICE

Qwest Communications announced 27 October 1999 that it intends to stop for the time being its...

... talk long-distance phone service from 29 October 1999. The move is a condition of *Qwest* complying with federal rules with regards to its US\$ 48bn merger with US West. *Qwest* is set to lose other long distance services in 2000. It is a requirement of...

...is competition for local phone services before an incumbent monopoly can offer a long distance *interstate* service.

COMPANY: US WEST; *QWEST* COMMUNICATIONS

19/3,K/12 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00908953 INSPEC Abstract Number: B76021665
Title: Cable placing in Bell Canada
Author(s): Stevens, J.C.
Author Affiliation: Bell Canada Northern Electric Res. Ltd., Ottawa,
Ont., Canada
Conference Title: 2nd International Symposium on Subscriber Loops and
Services p.63-7
Publisher: IEE, London, UK
Publication Date: 1976 Country of Publication: UK viii+209 pp.
ISBN: 0 85296 156 1
Conference Sponsor: IEE; IEEE; IERE; Inst. Mathematics & Its Applications
Conference Date: 3-7 May 1976 Conference Location: London, UK
Language: English
Subfile: B

...Abstract: on large highway trailers, and using the Side Payout method, is pulled directly into the *underground* duct system from the trailer. Urban distribution cable is custom made into a wiring harness...

... then shipped to the job site for laying in a trench jointly used with other *utilities*. Rural *cable* is *buried* directly in *road* allowances or on privately owned *right*-of-*way* by a fleet of plows, the commonest of which has been described.

19/3,K/14 (Item 2 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

(c) 2004 The Gale Group. All rts. reserv.

05734838 Supplier Number: 54061907

Road Runner Awards *Qwest* \$10 Million Contract for High-Speed Connectivity.

Business Wire, 1028

March 10, 1999

LANGUAGE: English RECORD TYPE: Citation

Road Runner Awards *Qwest* \$10 Million Contract for High-Speed Connectivity.

COMPANY NAMES: *Qwest* Communications International Inc.

19/3,K/15 (Item 3 from file: 111)

DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

(c) 2004 The Gale Group. All rts. reserv.

05436570 Supplier Number: 20581916

ALLTEL Expands *Interstate* Fiber Optic Network

PR Newswire, p512DATU014

May 12, 1998

LANGUAGE: English RECORD TYPE: Citation

ALLTEL Expands *Interstate* Fiber Optic Network

...COMPANY NAMES: *Qwest* Communications International Inc

19/3,K/16 (Item 4 from file: 111)

DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

(c) 2004 The Gale Group. All rts. reserv.

05257879 Supplier Number: 19777338

Qwest Signs Additional *Right*-of-*Way* Agreements for Advanced Fiber Network.

Business Wire, p9231314

Sep 23, 1997

LANGUAGE: English RECORD TYPE: Citation

Qwest Signs Additional *Right*-of-*Way* Agreements for Advanced Fiber Network...

COMPANY NAMES: *Qwest* Communications International Inc...

19/3,K/17 (Item 5 from file: 111)

DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

(c) 2004 The Gale Group. All rts. reserv.

05244014 Supplier Number: 19731570

Qwest Communications Reaches *Right* of *Way* Agreement With Florida East Coast Railroad for Network Expansion Route.

Business Wire, p9091090

Sep 9, 1997

LANGUAGE: English RECORD TYPE: Citation

Qwest Communications Reaches *Right* of *Way* Agreement With Florida East Coast Railroad for Network Expansion Route.

COMPANY NAMES: *Qwest* Communications International Inc...

19/AA,AN,TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02030009
E.I. Monthly No: EI8610099343
Title: PLANS FOR FUTURE NATURAL GAS LINES SHOW LARGE INCREASE.

19/AA,AN,TI/2 (Item 1 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

04779775 RN02012803; TVI 0206; TRN CA0200369; CANM
Title: Feeding the pipe -- development implications of a frontier pipeline
OSTI Number(s): DE20230279

19/AA,AN,TI/3 (Item 2 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

02766419 EDB-89-157461; ERA-15-000038
OSTI Permanent No.: 89000125960
Title: H.R. 402: A bill to amend the Mineral Leasing Act of 1920 with
respect to the movement of coal over public lands, and for other
purposes. Introduced in the House of Representatives, One Hundredth
First Congress, First Session, January 3, 1989

19/AA,AN,TI/4 (Item 3 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

01725087 EDB-86-048761
Title: Nozay-Neuville line to transport gas for storage by Gaz de France

19/AA,AN,TI/5 (Item 4 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

01514613 EDB-85-021375
Title: Common trenching reduces damage to buried utilities

19/AA,AN,TI/6 (Item 5 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

01429262 EDB-84-127064
Title: Progas Ltd. signs protection clause

19/AA,AN,TI/7 (Item 1 from file: 89)
DIALOG(R)File 89:(c) 2004 American Geological Institute. All rts. reserv.

02253055 GEOREF NO.: 98-64285
TITLE: The Serpent Mound magnetic anomaly; fingerprint of a meteorite
impact?
MONOGRAPH TITLE: 1998 AAPG Eastern Section meeting; abstracts

19/AA,AN,TI/8 (Item 1 from file: 99)
DIALOG(R)File 99:(c) 2004 The HW Wilson Co. All rts. reserv.

1820140 H.W. WILSON RECORD NUMBER: BAST99007528
A damage mechanism: lightning-initiated fault-current arcs to communication
cables buried beneath overhead electric power lines

19/AA,AN,TI/9 (Item 1 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09680212
Global visionaries put plans on hold as industry nurses hangover from the World: Telecoms companies rationalising to cut costs

19/AA,AN,TI/10 (Item 2 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09183762
Qwest drops thrifty option
US : *QWEST* ABANDONS PHONE SERVICE

19/AA,AN,TI/11 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Under new management [telecom. companies]

19/AA,AN,TI/12 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Cable placing in Bell Canada

19/AA,AN,TI/13 (Item 1 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05861910 Supplier Number: 54965179
US West Gives *Qwest* Cold *Shoulder* on Bid. (Financial)

19/AA,AN,TI/14 (Item 2 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05734838 Supplier Number: 54061907
Road Runner Awards *Qwest* \$10 Million Contract for High-Speed Connectivity.

19/AA,AN,TI/15 (Item 3 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05436570 Supplier Number: 20581916
ALLTEL Expands *Interstate* Fiber Optic Network

19/AA,AN,TI/16 (Item 4 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05257879 Supplier Number: 19777338
Qwest Signs Additional *Right*-of-*Way* Agreements for Advanced Fiber Network.

19/AA,AN,TI/17 (Item 5 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05244014 Supplier Number: 19731570
Qwest Communications Reaches *Right* of *Way* Agreement With Florida East

Coast Railroad for Network Expansion Route.

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File 990:NewsRoom Current Nov 2003-2004/Mar 16
 (c) 2004 The Dialog Corporation
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Mar 16
 (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 16
 (c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Mar 09
 (c) 2004 The Gale Group
File 624:McGraw-Hill Publications 1985-2004/Mar 15
 (c) 2004 McGraw-Hill Co. Inc
File 95:TEME-Technology & Management 1989-2004/Feb W4
 (c) 2004 FIZ TECHNIK
File 15:ABI/Inform(R) 1971-2004/Mar 15
 (c) 2004 ProQuest Info&Learning
File 635:Business Dateline(R) 1985-2004/Mar 13
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File 610:Business Wire 1999-2004/Mar 15
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 (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Mar W1
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File 484:Periodical Abs Plustext 1986-2004/Mar W1
 (c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Feb
 (c) 2004 The HW Wilson Co

Set Item's Description
S1 7462488 PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR
 CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S2 16455317 UTILIT??? OR PETROL??? OR OIL OR GASOLINE OR GAS OR NATURA-
 LGAS OR TELEPHONE OR TELECOM? OR TELE()PHONE OR COMMUNICATIO-
 N? ?) OR FIB??OPTIC? ? OR (FIBER OR FIBRE) (N)OPTIC?? OR ELECT-
 RIC??? OR POWER OR ENERGY OR FUEL
S3 15833991 BURY??? OR BURIE? ? OR LOCATED OR ADJACENT OR NEXT()TO OR -
 SIDE(2W)SIDE OR CONTIGUOUS OR END(2W)END OR ABUT? ? OR ABUTTI-
 NG OR ADJOIN??? OR UNDER? OR BENEATH OR SUBTERRANEAN OR BELOW
 OR SUBSURFACE OR INTER OR INTERR???
S4 1294991 MEDIAN? ? OR RIGHT(2W)WAY OR (EMERGENCY OR MEDIAL) () (LANE -
 OR LANES OR STRIP OR STRIPS) OR SHOULDER? ? OR BORDER? ? OR E-
 ASEMENT? ?
S5 3328976 HIGHWAY? ? OR INTERSTATE? ? OR FREEWAY? ? OR ROAD? OR TURN-
 PIKE? ? OR MOTORWAY? ? OR (HIGH OR FREE OR MOTOR OR THRU) ()WA-
 Y? ? OR EXPRESSWAY? ? OR SUPERHIGHWAY? ? OR THOROUGHFARE? ? OR
 THRUWAY? ? OR THROUGHWAY? ? OR PIKE? ? OR TOLLROAD? ?
S6 1323634 S1(7N)S2
S7 1319 S3(10N) (S4(5N)S5)
S8 . . . 56. S6(S)S7
S9 1235277 S1(5N)S2
S10 1035 S3(7N) (S4(5N)S5)

S11 44 S9(10N)S
S12 27,209 INTERSTATE(5N) HIGHWAY?
S13 4 S8 AND S12
S14 1434576 S1(10N)S2
S15 3888 S3(S)(S4(7N)S5)
S16 9 S12 AND (S14(S)S15)
S17 22 S12 AND (S14 AND S15)
S18 12 S12(S)(S14 AND S15)
S19 16 S16 OR S18
S20 16 S19 NOT PY>2002
S21 16 S20 NOT PD=20020129:20040430
S22 16 RD (unique items)

22/3,K/2 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04619060 SUPPLIER NUMBER: 08725776 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Location alternatives for fiber optic cable installation.
Najafi, Fazil T.; Nazef, Abdenour; Kaczorowski, Paul
Logistics and Transportation Review, v26, n2, p171(8)
June, 1990
ISSN: 0047-4991 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1837 LINE COUNT: 00149

...ABSTRACT: access to freeway right-of-way. This paper compares five transportation corridor options: (1) non-*interstate* *highway*; (2) private land; (3) railroad; (4) freeway median; and (5) freeway fence line. The Utility...

... the American Telephone and Telegraph Company (AT&T) to place two underground ducts in the *median* of the *Turnpike*. There are no data that would suggest that there are hazards connected with such installation...

...effectiveness of alternative transportation corridors for placing FOTS. Five alternate locations were identified: 1) non-*interstate* *highway*, 2) private land; 3) railroad; 4) freeway median, and 5) freeway fence line.

II. Background...

...such an impact varies not only according to the type of ROW (e.g., non-*interstate* *highway* versus freeway), but also according to where in the ROW the work will take place...U) for each corridor. For example, data regarding the safety of travelling public on non-*interstate* *highway* resulted in an average rating of 3.1 (Table 3, col. 2). This number was...

...desirable: 1) fence line of interstates and freeways; 2) railroad; 3) private land; 4) non-*interstate* *highway*; and 5) median of interstates and freeways.

IV. Conclusions and Recommendations Since utilities are not...

...opinion, the installation of fiber optic cables in rural areas would have minimal effect on *interstate* *highway* safety and traffic flow due to a wider ROW than in urban areas.

Some highway...

...Council, Washington, D.C., 41st Annual Meeting, 1962.
[2] Phagan, R., "Longitudinal Underground Utilities on *Interstate* *Highways*," Published Memorandum to the Joint Use Task Force Members, Florida Department of Transportation, December, 1987...

22/3,K/5 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00666940 93-16161
Accommodation of longitudinal utilities on limited access right-of-way
Najafi, F T; Nazef, Abdenour; Kumar, Ashish; Tari, E Salimi
Logistics & Transportation Review v28n4 PP: 373-393 Dec 1992
ISSN: 0047-4991 JRNL CODE: LTR
WORD COUNT: 5512

...TEXT: Transportation announced a final rule permitting states to decide whether to allow certain types of *utilities*, such as *fiber*-*optic* (F.O.) communication *cables*, *telephone* lines, fire and police signal systems, *cable* TV lines and water mains, to be installed along freeway and *interstate* *highway* R/W. As a result, a new 1989 policy was published. The approach in the...

22/3,K/6 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
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00277250 85-17684

Pre-Installed Dielectric FO Cable Gives Mountain Bell the Edge

Arnold, Earl N.; Fogg, Stephen A.

Telephony v208n17 PP: 64-69 Apr 29, 1985

ISSN: 0040-2656 JRNL CODE: TPH

ABSTRACT: The *cable* being used in Mountain Bell's 270-mile *fiber* *optic* long-distance network in Idaho is all dielectric 6-fiber single mode fiber of loose...

...and 3. a way to avoid the tendency of cable to creep back into the *duct* during placement in the field. After comprehensive testing, the *telephone* company laid out the route for the proposed *cable* taking advantage of a private *right*-of-*way* along the *interstate* *highway* system. When the soil could not be ripped or plowed, the pre-installed cable was....

... an open trench. In the 2nd phase of the project, Mountain Bell plans to use *optical* *fiber* *cable* pre-installed in high tensile strength *duct* in the *underground* conduit position.

22/3,K/7 (Item 1 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0699815 96-57169

Smart highway part of pitch for NAFTA route

Stopa, Marsha

Craint Detroit Business (Detroit, MI, US), V12 N19 p3

PUBL DATE: 960506

WORD COUNT: 1,042

DATELINE: Detroit, MI, US, North Central

TEXT:

...backers of one proposal are hoping fiber optics will make the difference.

Members of The *Interstate* *Highway* 35 Corridor Coalition visited the region last month to solicit support for a plan to...

...so-called Corridor 18 would be \$5.5 billion, much of it federal money.

The *fiber*-*optic* *cable* that would be buried in the existing *freeway* *right* of *way* would be equipped with scanners every three miles that would relay information to customs officials...

22/3,K/9 (Item 3 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

0423316 93-75454

Implications for transportation planning in Montana and the Rocky Mountain West

Swanson, Larry D

Montana Business Quarterly (Missoula, MT, US), V31 N1 s1 p14

PUBL DATE: 930400

WORD COUNT: 4,463
DATELINE: MT; US

TEXT:

...River Trade Corridor."

The third busiest border crossing is Coutts/Sweetgrass, where Alberta's 'Export *Highway*' meets *Interstate* 15 in Montana. Major construction is *underway* in Alberta on this route, with the eventual goal of a four-lane highway all...

...from Edmonton to Montana. Next busiest is North Portal/Portal on the Saskatchewan-North Dakota *border*, followed by Kingsgate/Eastport, on *Highway* 95 in the Idaho Panhandle.

EXISTING AND EMERGING CROSS-BORDER TRADE CORRIDOR IN THE WEST...

22/3,K/10 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

07055215 Supplier Number: 58529480 (USE FORMAT 7 FOR FULLTEXT)
Will You Pay Internet Tolls?(access fees to companies laying cable for
Internet and other telecommunications services)

Moore, John
Sm@rt Reseller, v2, n21, p23
Sept 27, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 412

... ON INTERNET taxation, Utah and other states plan to charge access fees to companies laying *cable* for Internet and other *telecommunications* services along *interstate* *highways*..

Utah's Rights of Way Task Force earlier this year recommended a one-time \$500-per-mile charge for *telecom* firms installing *cable* along *right*-of-*way* strips bordering *interstates*. But Utah governor Michael Leavitt has rejected the recommendation and has publicly suggested an annual fee of \$1,000 per mile. Still, some observers in Utah say fees *under* consideration run as high as \$250,000 per mile.

Telecom companies argue they have traditionally...

22/3,K/11 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06038257 Supplier Number: 53500397 (USE FORMAT 7 FOR FULLTEXT)
Complex Task.
Griffin, Jeff
Underground Construction, v53, n12, p20(1)
Dec, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1422

... signals for new segments of the expanding the information highway. Equipment and crews place cable *adjacent* to *interstate* *highways*, beside state *roads*, along railroad *right*-of-*way*, through small towns and major cities.

Although the internet and the information highway make news...

...digital voice, video and data communications. The new network also has excess dark fiber and *duct* capacity that *telecommunications* service

providers can use to create or expand their capacity and **tech**. The network will...

...Jersey Transportation Authority's Atlantic City Expressway, and on the Delaware Department of Transportation's *Interstate* 95 John F. Kennedy Memorial *Highway*."

A 700-mile segment of another digital fiber network project completed a year ago required...

22/3,K/13 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01860284

Washington industry notebook: The US Department of Transportation,,,
Computerworld February 8, 1988 p. 74
ISSN: 0010-4841

Telecommunications companies will find it easier to lay *fiber* *optic* *cable* in *right*-of-*way* sections on *interstate* *highways* *under* a final rule from the US Transportation Dept. The rule allows states to determine whether...

22/3,K/14 (Item 2 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01433409

Fiber optics: New York State pushes high-tech network.
NEWSDAY (NASSAU EDITION) April 7, 1986 p. Bus,11

... State Thruway for a fiber optics network. An old federal rule prevents the use of *interstate* *highways* for a *telecommunications* network. If New York prevails, *fiber*-*optic* *cable* can be *buried* quickly and cheaply along the most direct routes between centers of commerce. Governor Mario Cuomo...

... plan for a digital highway to transport the conversations of computers. The design of the *interstate*-*highway* system leaves much of the *right*-of-*way* unpaved. This significantly reduces the cost and the time needed to *bury* cable. The Federal Highway Administration indicated that it might budge when it announced it will...

22/3,K/15 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

05209624 SUPPLIER NUMBER: 20158695 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Interstate 35: the road well-traveled - an international trade corridor drives economic development. (Special Advertising Section)

Stabler, Carol
Industry Week, v247, n2, p41(8)
Jan 19, 1998
ISSN: 0039-0895 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5960 LINE COUNT: 00491

... the bilateral trade between the U.S. and Canada traveling by truck crossed the international *border* on the Ambassador Bridge.

Interstate 94 also connects the major U.S./Canadian border crossings of the Detroit/Windsor Tunnel and the Blue Water Bridge at Port Huron/Sarnia. *Interstate* routes on *Highway* 94 from Detroit to Chicago, and on Highway 80 from Chicago " to Des Moines enable direct connections

to *Interstate* *Highway* 35, the main trunk line of the International Transportation Corridor.

Further south along the route...

22/AA,AN,TI/1 (Item 1 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

12152014 SUPPLIER NUMBER: 61894033
WIRELESS COMMUNICATIONS A MODERN NECESSITY.

22/AA,AN,TI/2 (Item 2 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv..

04619060 SUPPLIER NUMBER: 08725776
Location alternatives for fiber optic cable installation.

22/AA,AN,TI/3 (Item 3 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

02033212 SUPPLIER NUMBER: 03250853
So it's time to build a new warehouse.

22/AA,AN,TI/4 (Item 1 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

01262158 99-11554
Office siting

22/AA,AN,TI/5 (Item 2 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

00666940 93-16161
Accommodation of longitudinal utilities on limited access right-of-way

22/AA,AN,TI/6 (Item 3 from file: 15)
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00277250 85-17684
Pre-Installed Dielectric FO Cable Gives Mountain Bell the Edge

22/AA,AN,TI/7 (Item 1 from file: 635)
DIALOG(R)File 635:(c) 2004 ProQuest Info&Learning. All rts. reserv.

96-57169
Smart highway part of pitch for NAFTA route

22/AA,AN,TI/8 (Item 2 from file: 635)
DIALOG(R)File 635:(c) 2004 ProQuest Info&Learning. All rts. reserv.

95-34067
Developer to buy key tract at DIA

22/AA,AN,TI/9 (Item 3 from file: 635)
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93-75454
Implications for transportation planning in Montana and the Rocky Mountain West

22/AA,AN,TI/10 (Item 1 from file: 16)

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07055215 Supplier Number: 58529480

Will You Pay Internet Tolls?(access fees to companies laying cable for Internet and other telecommunications services)

22/AA,AN,TI/11 (Item 2 from file: 16)

DIALOG(R)File 16:(c) 2004 The Gale Group. All rts. reserv.

06038257 Supplier Number: 53500397

Complex Task.

22/AA,AN,TI/12 (Item 3 from file: 16)

DIALOG(R)File 16:(c) 2004 The Gale Group. All rts. reserv.

04339687 Supplier Number: 46364456

Smart highway part of pitch for NAFTA route

22/AA,AN,TI/13 (Item 1 from file: 160)

DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

01860284

Washington industry notebook: The US Department of Transportation,,,

22/AA,AN,TI/14 (Item 2 from file: 160)

DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

01433409

Fiber optics: New York State pushes high-tech network.

22/AA,AN,TI/15 (Item 1 from file: 47)

DIALOG(R)File 47:(c) 2004 The Gale group. All rts. reserv.

05209624 SUPPLIER NUMBER: 20158695

Interstate 35: the road well-traveled - an international trade corridor drives economic development. (Special Advertising Section)

22/AA,AN,TI/16 (Item 1 from file: 484)

DIALOG(R)File 484:(c) 2004 ProQuest. All rts. reserv.

04726044 SUPPLIER NUMBER: 52434991

Wireless communications: A modern necessity